

PULSE REFLECTING METHOD AND ARRANGEMENT IN AN EXHAUST GAS RECIRCULATION SYSTEM

Abstract

Method and arrangement for enhancing exhaust gas recirculation efficiency on a combustion engine by providing a combustion engine having an exhaust system in fluid communication, via at least one juncture, with an exhaust gas recirculation system and locating a reflector in the exhaust system downstream of the at least one juncture. The reflector is adapted to reflect at least a portion of exhaust gas pressure pulses emitting from the combustion engine thereby causing a reflected pressure pulse to occur upstream of the reflector, and deflecting at least a portion of the reflected pressure pulse into the exhaust gas recirculation system thereby enhancing the efficiency of the exhaust gas recirculation system.